

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068095.D
 Acq On : 12 Aug 2021 17:29
 Operator : JC/MD
 Sample : M3361-09 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:45:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	309660	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	603381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	593584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	203901	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238002	54.292	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.580%
35) Dibromofluoromethane	8.024	113	183831	52.278	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.560%
50) Toluene-d8	10.443	98	767042	47.476	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.960%
62) 4-Bromofluorobenzene	12.733	95	253557	43.414	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.820%

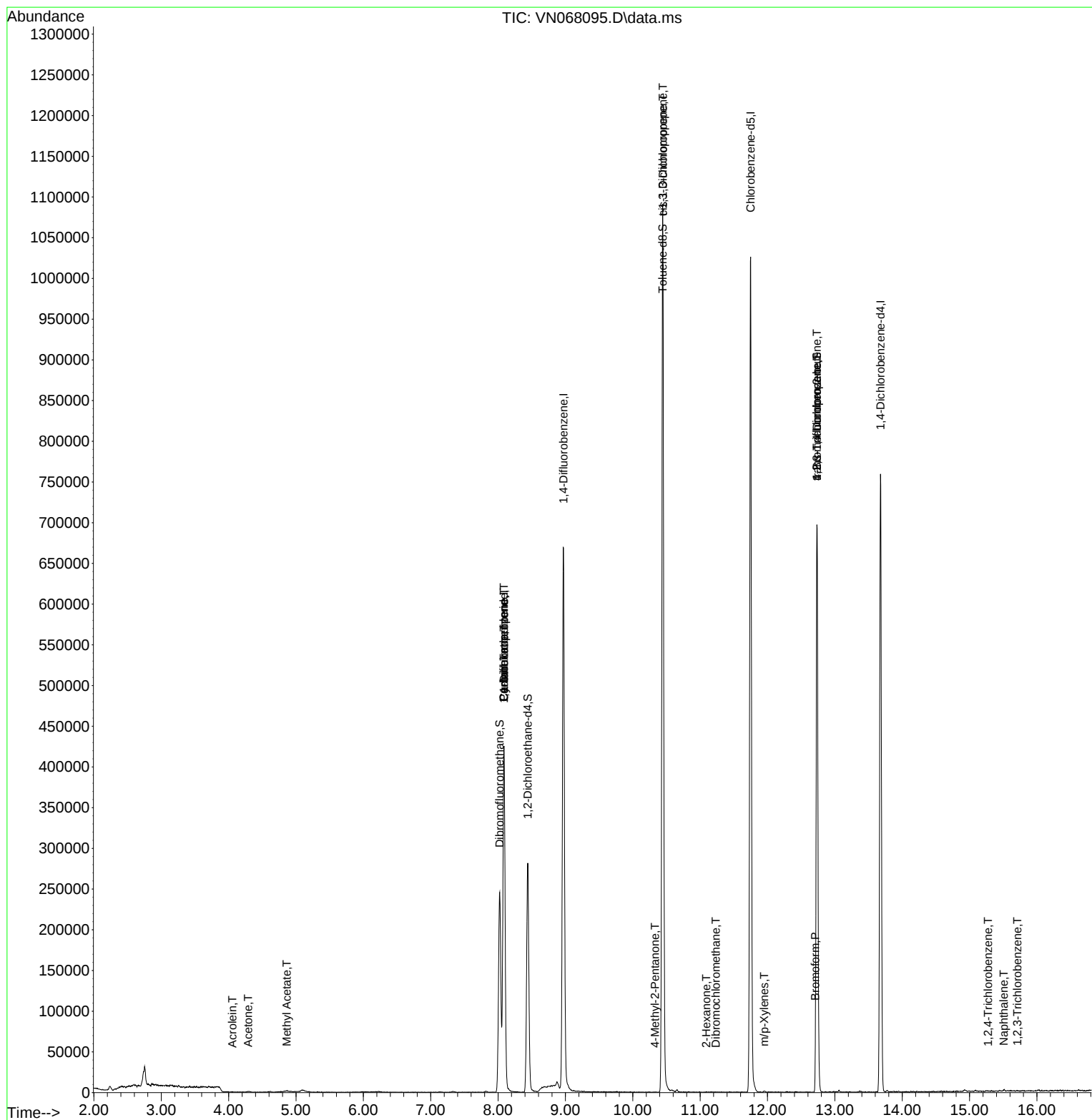
Target Compounds					Qvalue
13) Acrolein	4.057	56	92	0.231	ug/l # 14
16) Acetone	4.288	43	713	0.446	ug/l # 39
18) Methyl Acetate	4.862	43	1271	0.229	ug/l 97
20) Methylene Chloride	5.090	84	861	Below Cal	# 75
31) Cyclohexane	8.088	56	7736	1.196	ug/l # 15
36) 1,1-Dichloropropene	8.086	75	26465	4.742	ug/l # 53
38) Carbon Tetrachloride	8.088	117	33369	6.079	ug/l # 17
51) 4-Methyl-2-Pentanone	10.330	43	224	12.600	ug/l # 39
53) t-1,3-Dichloropropene	10.448	75	54	2.840	ug/l # 87
54) cis-1,3-Dichloropropene	10.448	75	54	2.362	ug/l # 90
59) 2-Hexanone	11.089	43	172	13.324	ug/l 99
60) Dibromochloromethane	11.234	129	80	3.317	ug/l # 11
68) m/p-Xylenes	11.950	106	183	4.081	ug/l # 1
71) Bromoform	12.709	173	58	4.045	ug/l # 29
76) 1,2,3-Trichloropropane	12.733	75	138036	33.709	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.733	75	138036	90.391	ug/l # 6
93) 1,2,4-Trichlorobenzene	15.273	180	84	2.493	ug/l # 1
95) Naphthalene	15.507	128	2557	3.402	ug/l # 79
96) 1,2,3-Trichlorobenzene	15.708	180	81	2.394	ug/l # 3

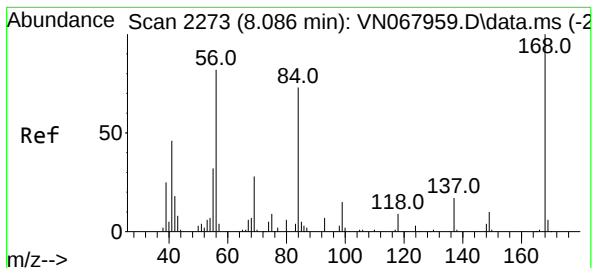
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 05:45:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

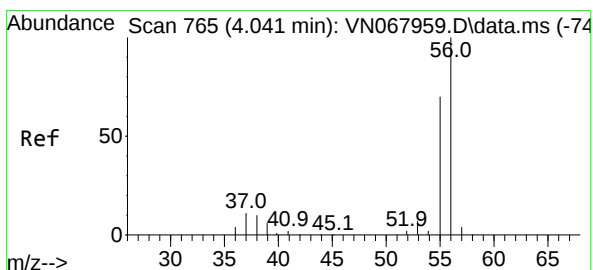
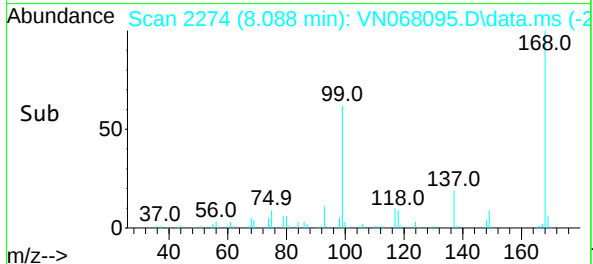
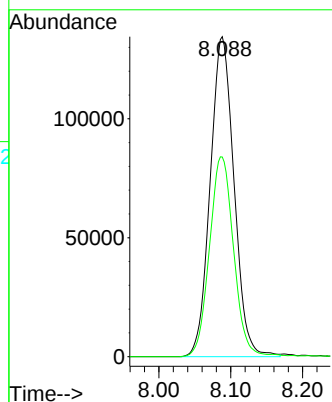
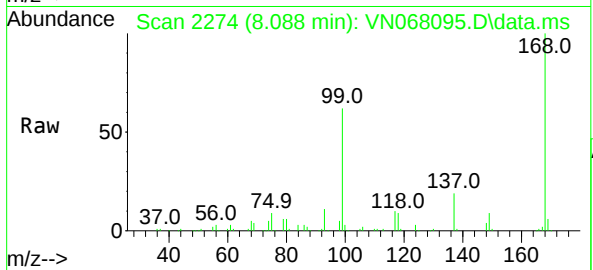




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

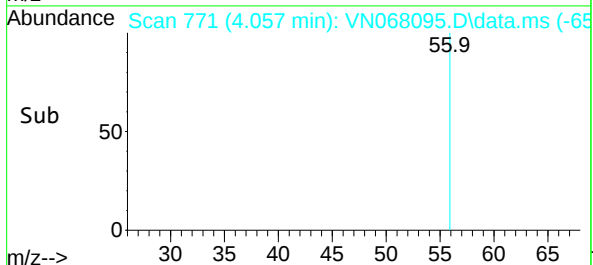
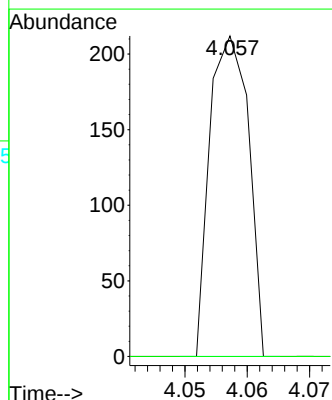
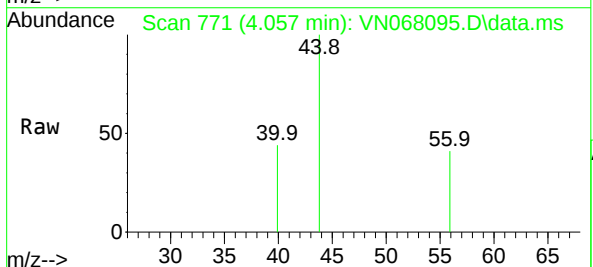
Instrument :
MSVOA_N
ClientSampled :

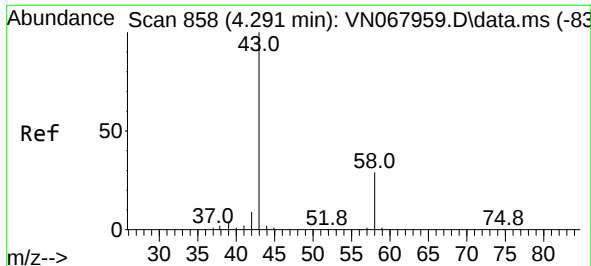
Tgt Ion:168 Resp: 309660
Ion Ratio Lower Upper
168 100
99 62.4 62.9 94.3#



#13
Acrolein
Concen: 0.231 ug/l
RT: 4.057 min Scan# 771
Delta R.T. 0.016 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

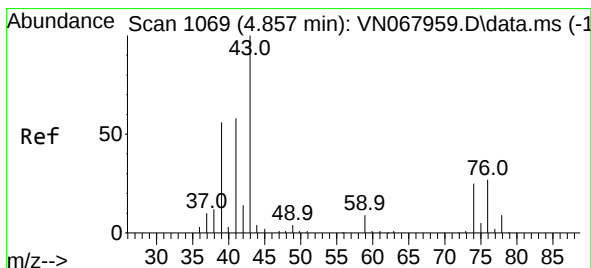
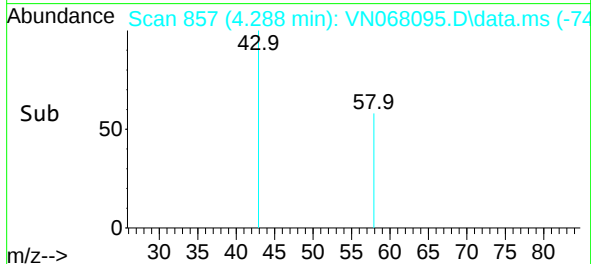
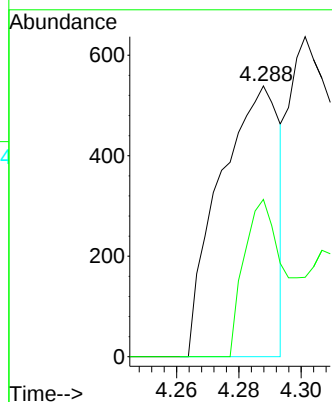
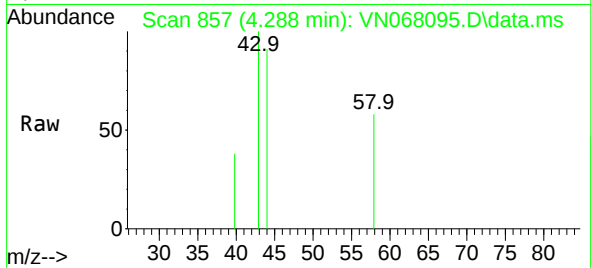




#16
Acetone
Concen: 0.446 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

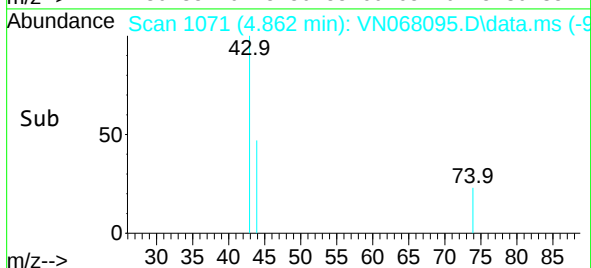
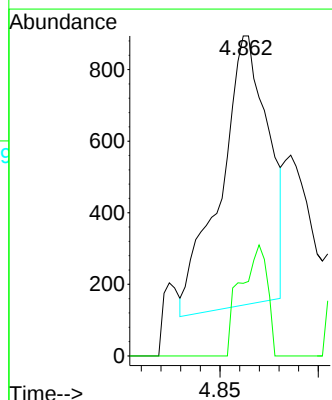
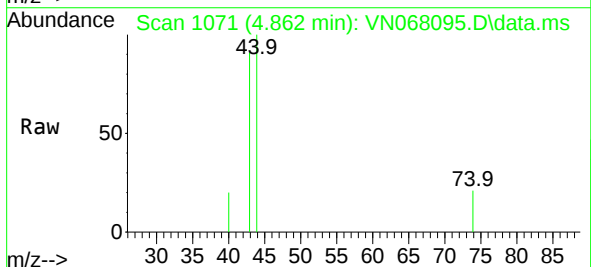
Instrument :
MSVOA_N
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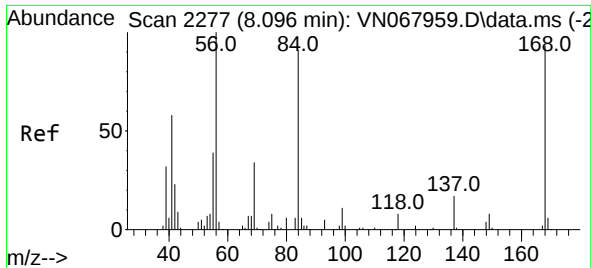
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 58.1 21.2 31.8#



#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
74 23.1 17.4 26.0

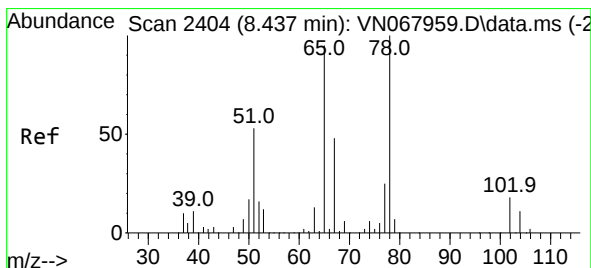
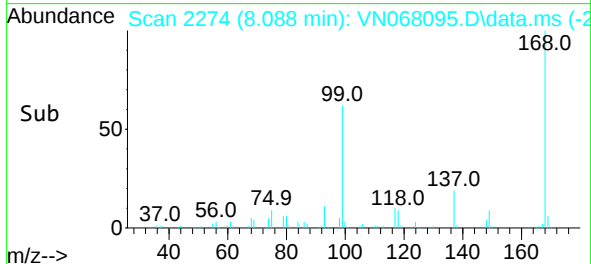
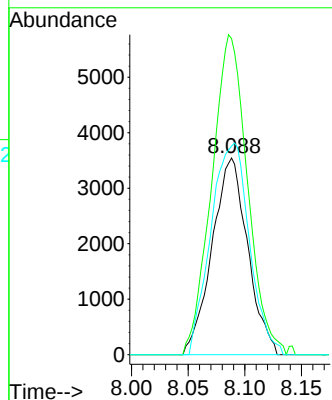
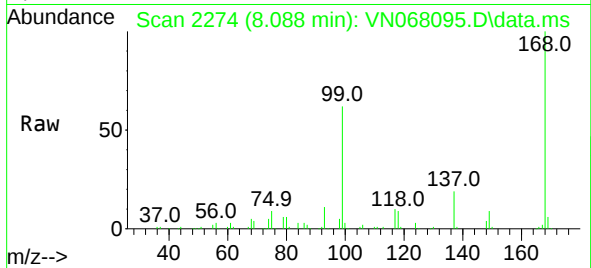




#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

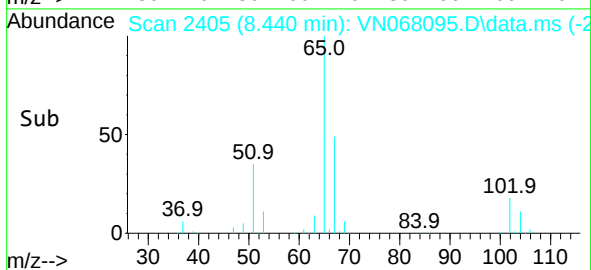
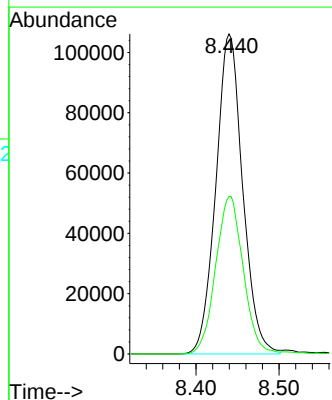
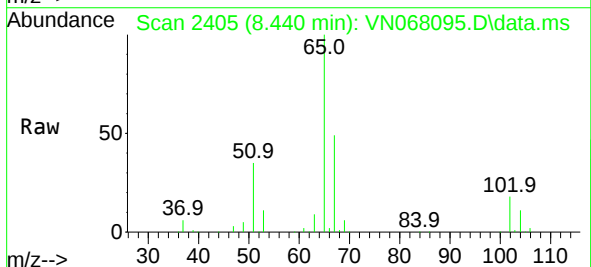
Instrument :
MSVOA_N
ClientSampled :

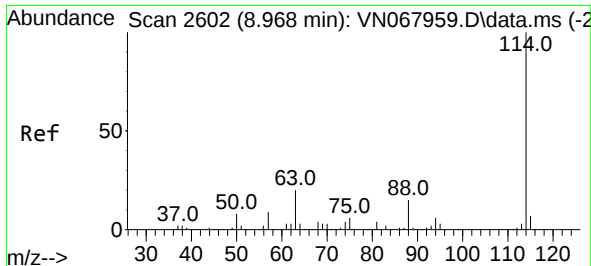
Tgt Ion: 56 Resp: 7736
Ion Ratio Lower Upper
56 100
69 160.7 27.3 40.9#
84 106.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.292 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion: 65 Resp: 238002
Ion Ratio Lower Upper
65 100
67 50.5 0.0 98.6

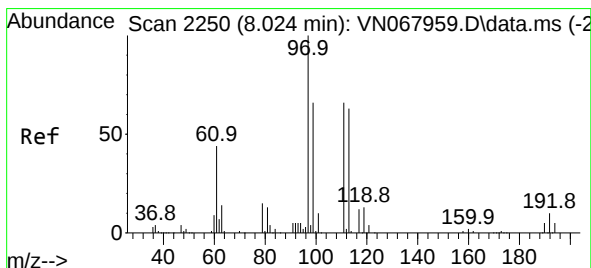
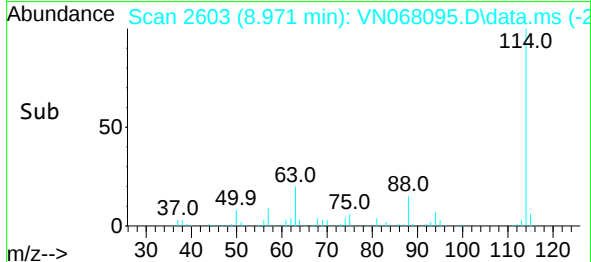
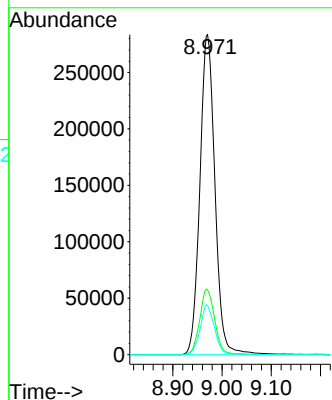
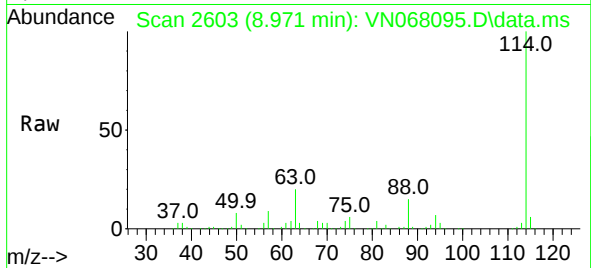




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

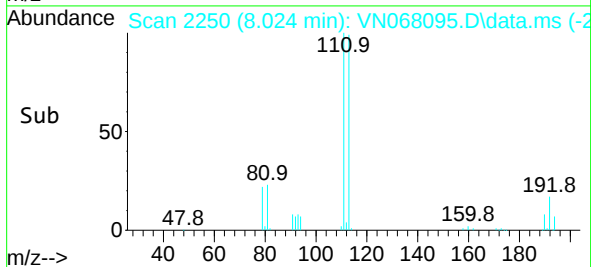
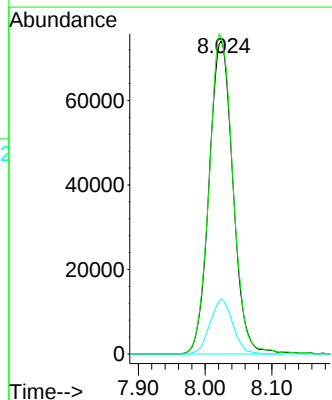
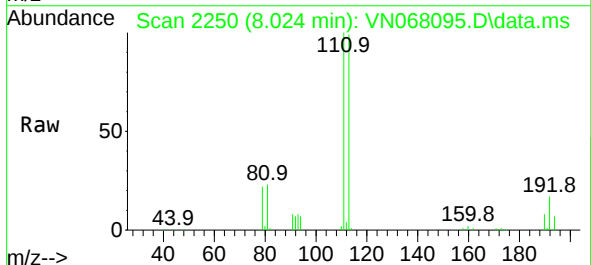
Instrument :
MSVOA_N
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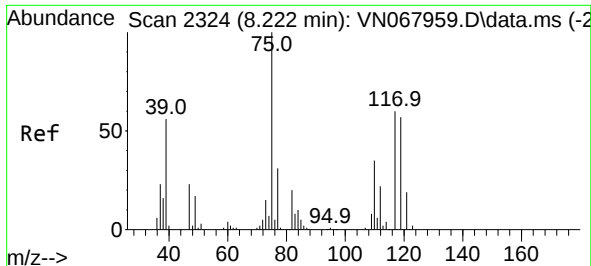
Tgt Ion:114 Resp: 603381
Ion Ratio Lower Upper
114 100
63 20.2 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.278 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion:113 Resp: 183831
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 16.7 13.4 20.0

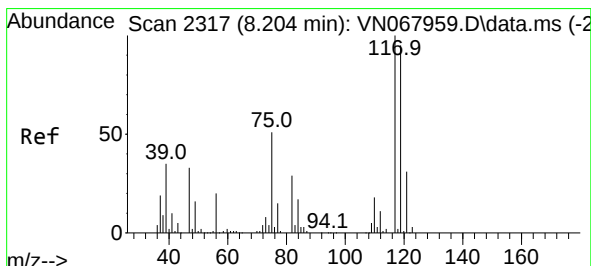
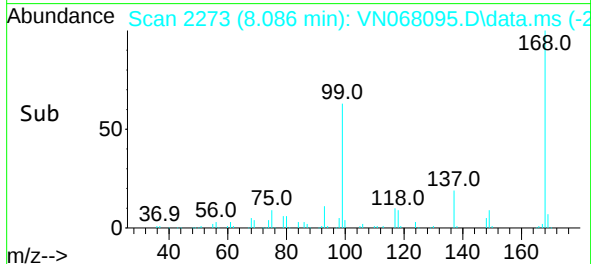
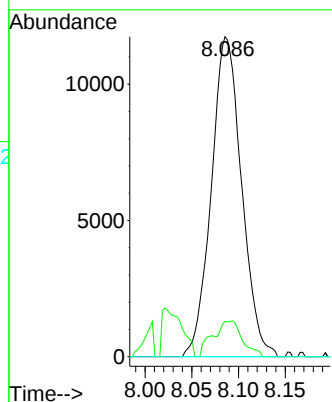
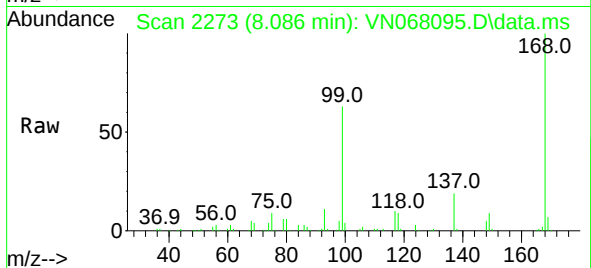




#36
 1,1-Dichloropropene
 Concen: 4.742 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN068095.D
 Acq: 12 Aug 2021 17:29

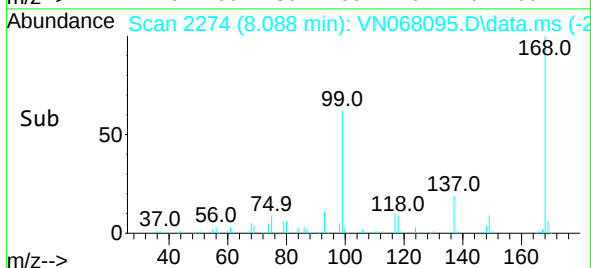
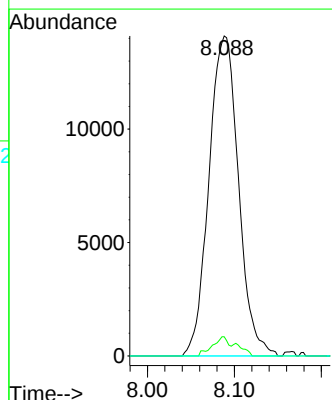
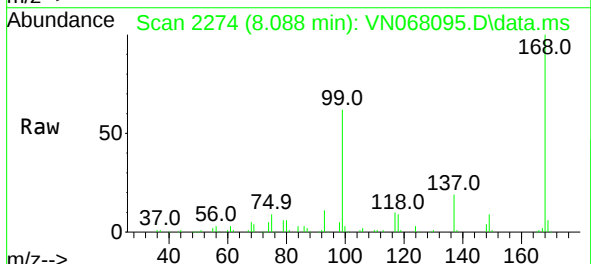
Instrument :
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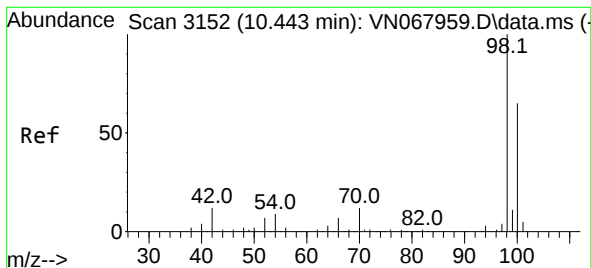
Tgt Ion: 75 Resp: 26465
 Ion Ratio Lower Upper
 75 100
 110 10.9 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.079 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.116 min
 Lab File: VN068095.D
 Acq: 12 Aug 2021 17:29

Tgt Ion: 117 Resp: 33369
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.4 113.2#
 121 0.0 23.5 35.3#

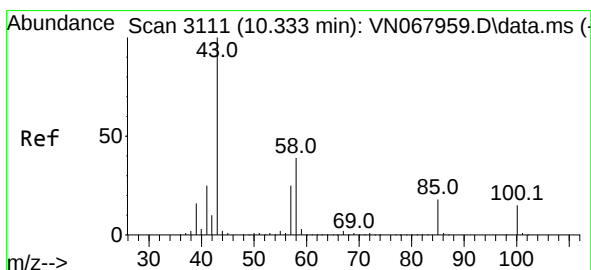
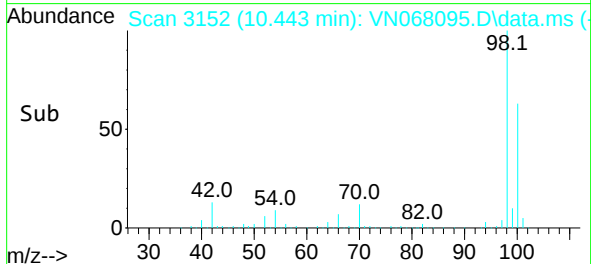
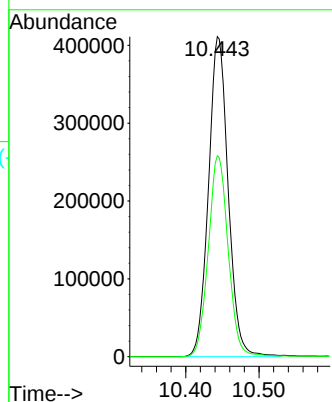
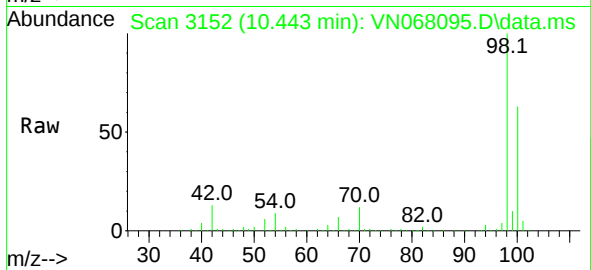




#50
Toluene-d8
Concen: 47.476 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

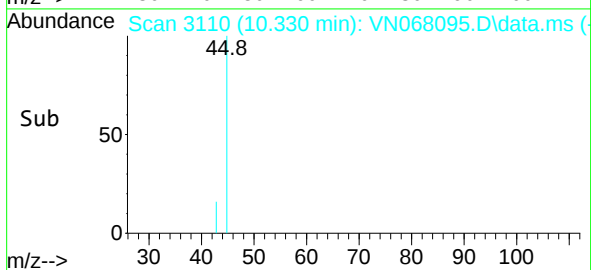
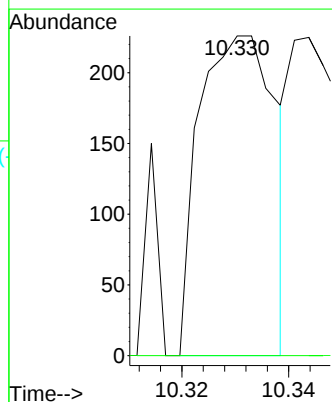
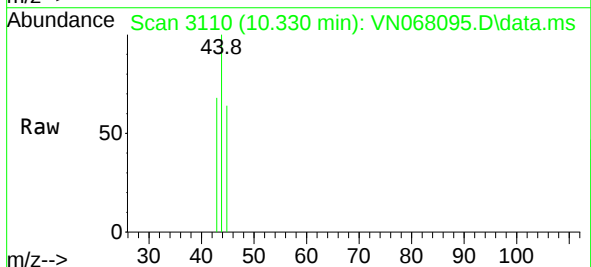
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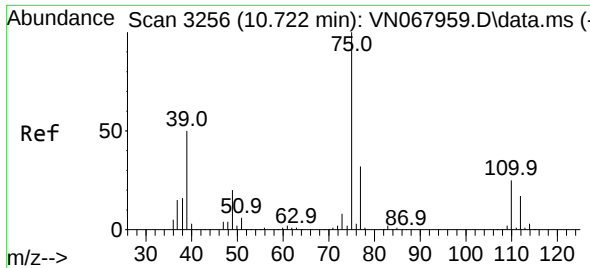
Tgt Ion: 98 Resp: 767042
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.600 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

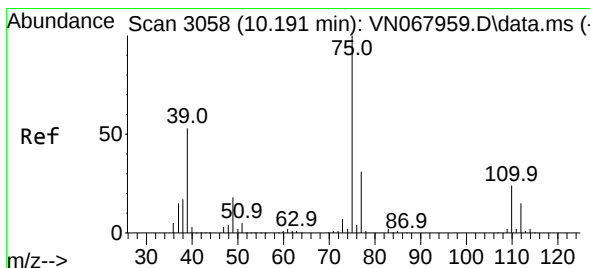
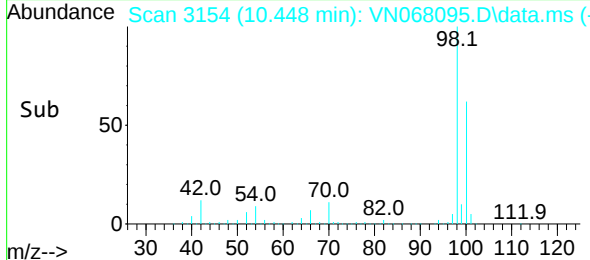
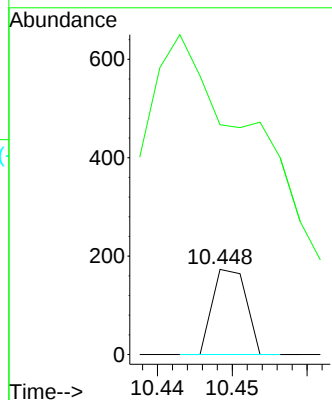
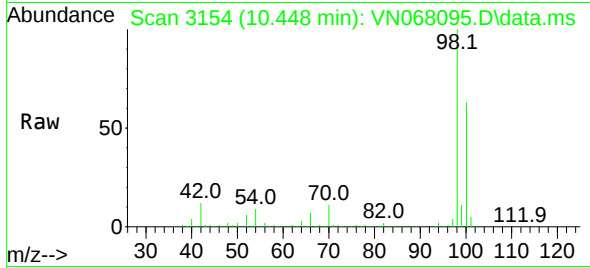




#53
t-1,3-Dichloropropene
Concen: 2.840 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.274 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

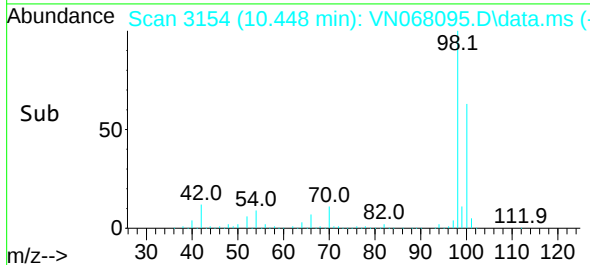
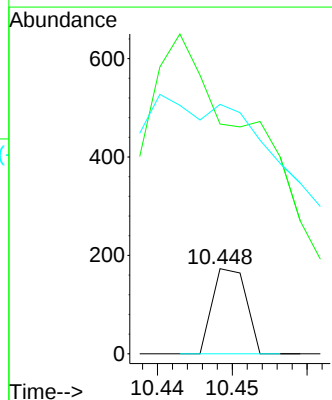
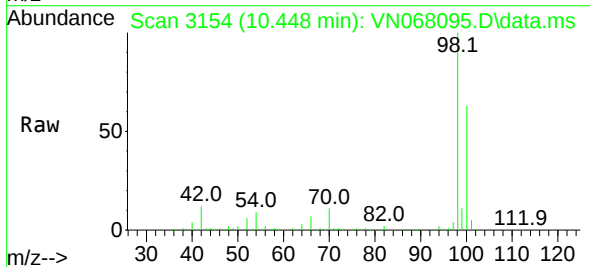
Instrument :
MSVOA_N
ClientSampled :

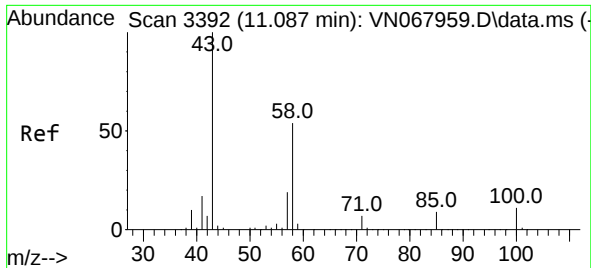
Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
77 38.7 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.362 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.257 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
77 38.7 24.6 37.0#
39 69.4 50.7 76.1

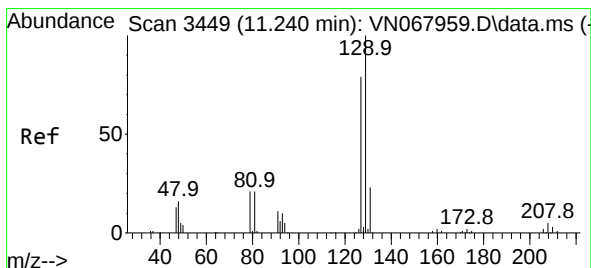
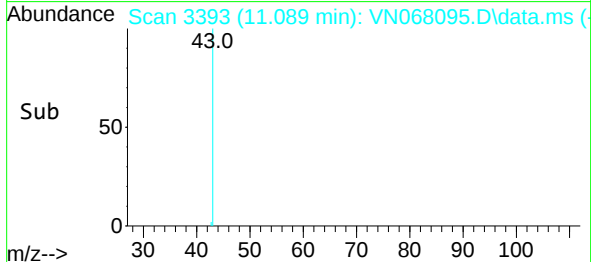
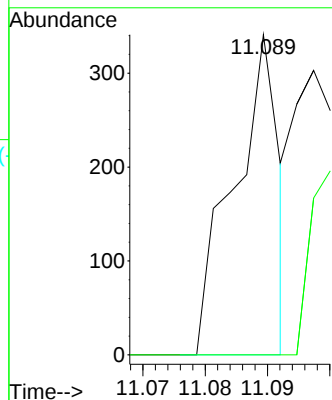
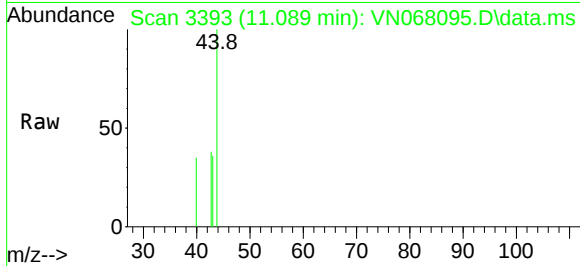




#59
2-Hexanone
Concen: 13.324 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

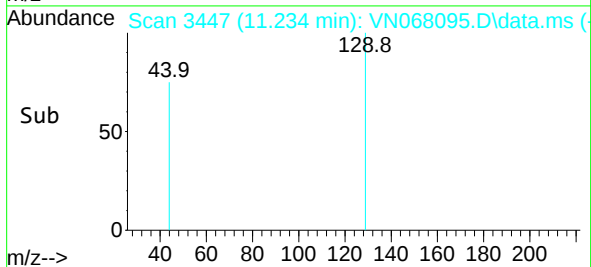
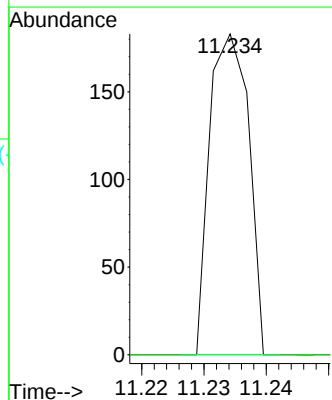
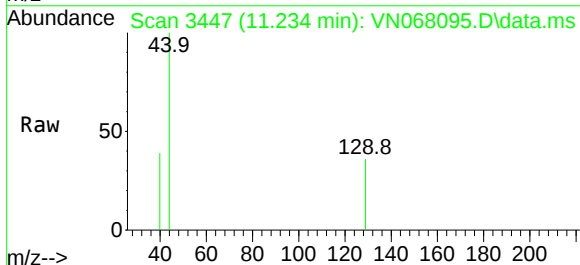
Instrument :
MSVOA_N
ClientSampled :

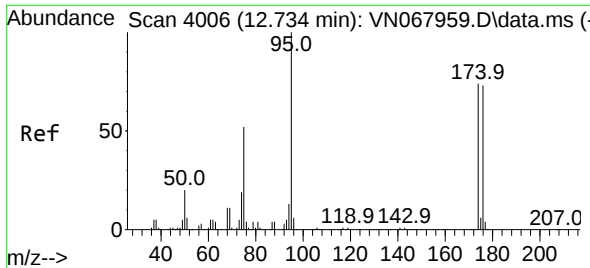
Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 50.0 24.7 74.1



#60
Dibromochloromethane
Concen: 3.317 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.006 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion: 129 Resp: 80
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

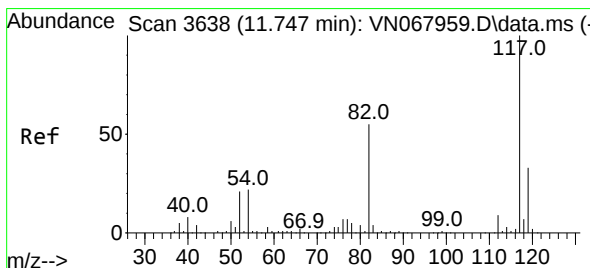
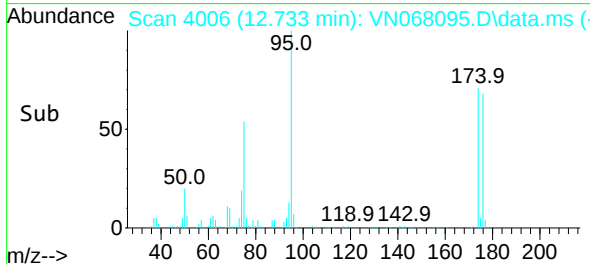
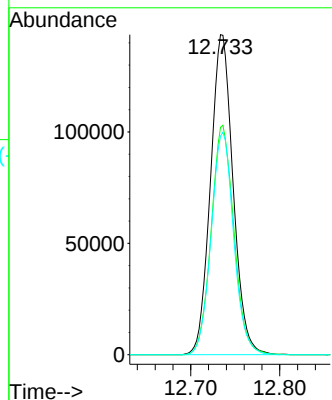
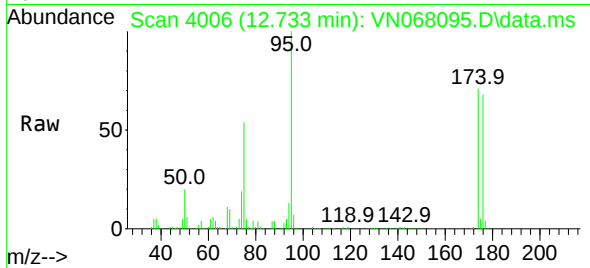




#62
4-Bromofluorobenzene
Concen: 43.414 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

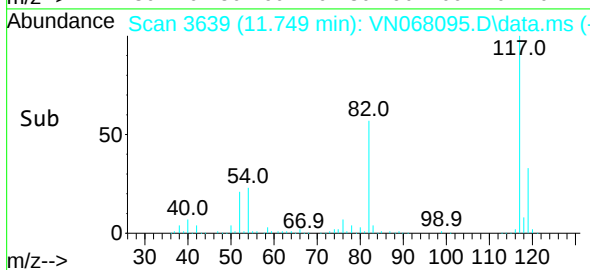
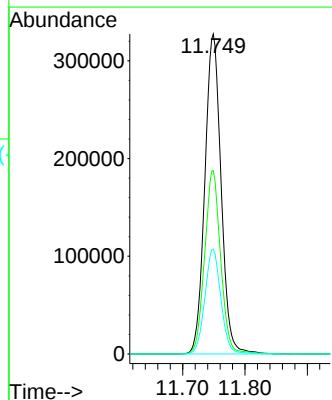
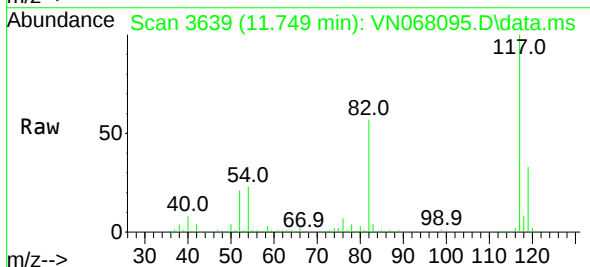
Instrument :
MSVOA_N
ClientSampled :

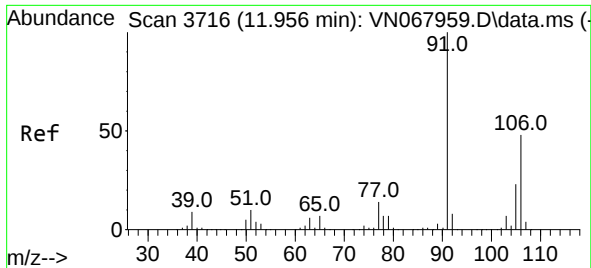
Tgt Ion: 95 Resp: 253557
Ion Ratio Lower Upper
95 100
174 72.1 0.0 122.0
176 69.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion: 117 Resp: 593584
Ion Ratio Lower Upper
117 100
82 57.3 53.1 79.7
119 32.8 25.5 38.3

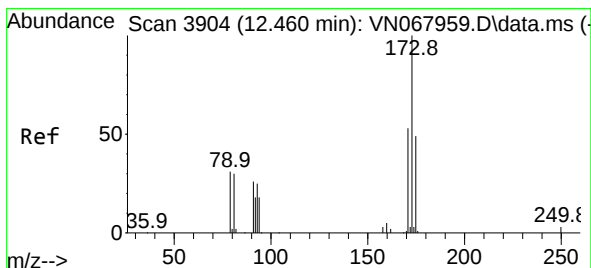
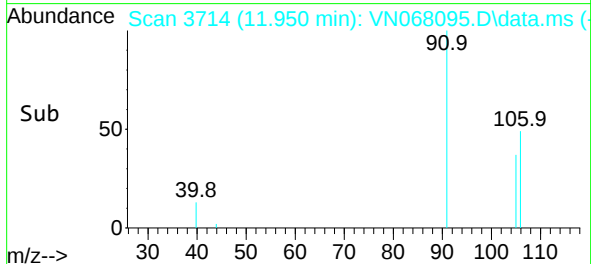
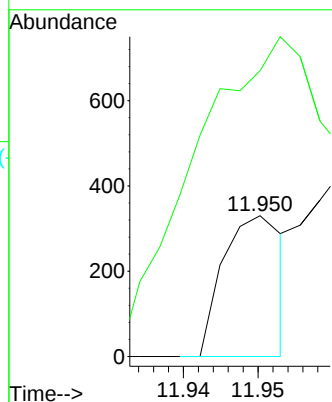
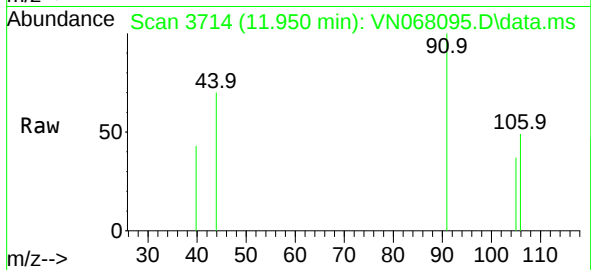




#68
m/p-Xylenes
Concen: 4.081 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

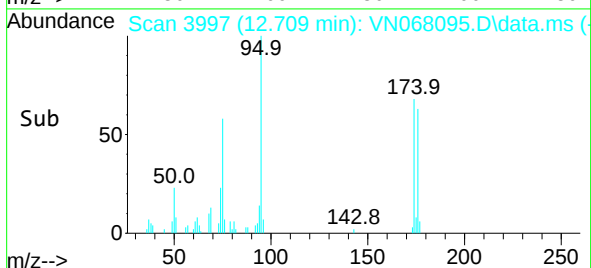
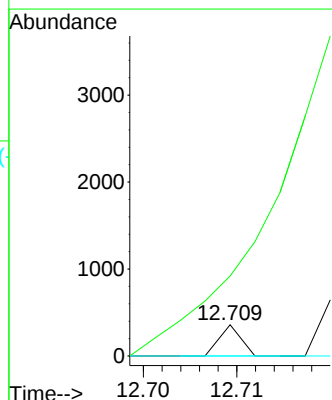
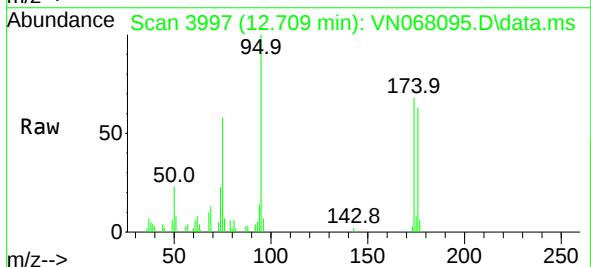
Instrument :
MSVOA_N
ClientSampleId :

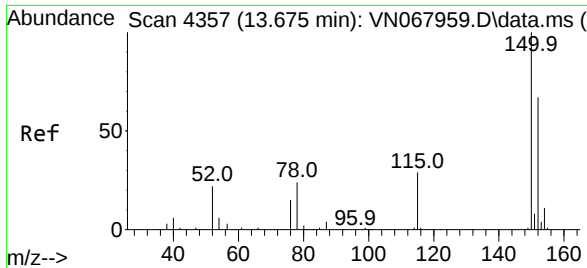
Tgt Ion:106 Resp: 183
Ion Ratio Lower Upper
106 100
91 677.0 180.6 270.8#



#71
Bromoform
Concen: 4.045 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion:173 Resp: 58
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

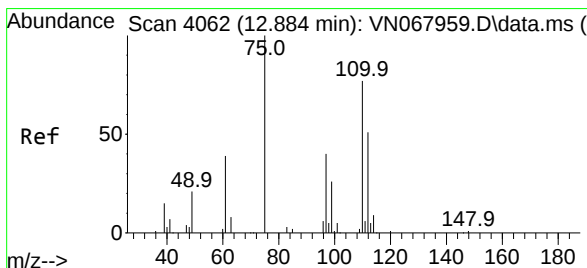
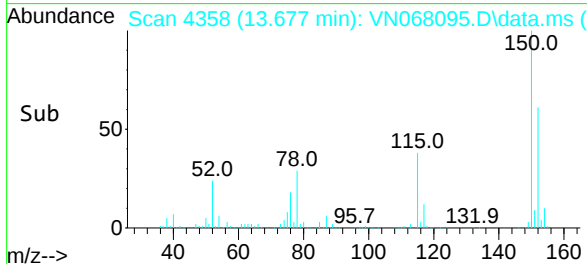
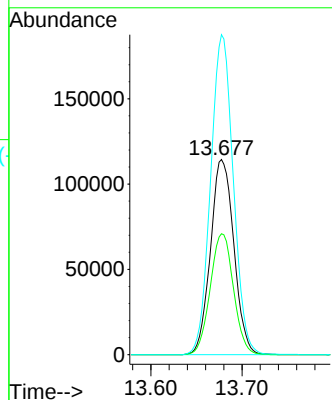
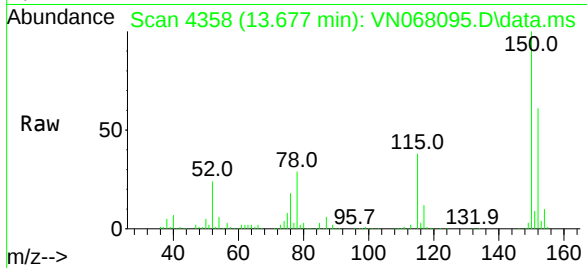




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN068095.D
 Acq: 12 Aug 2021 17:29

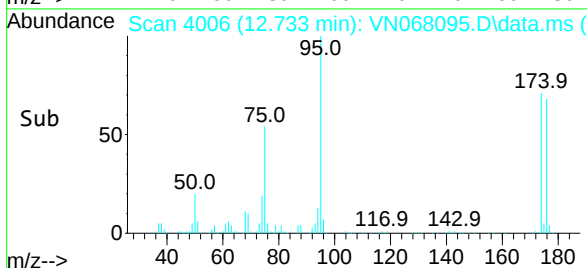
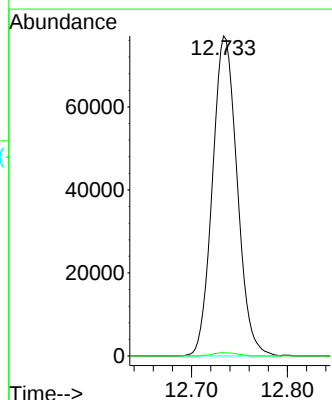
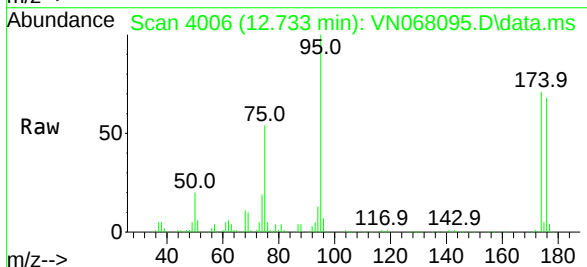
Instrument :
 MSVOA_N
 ClientSampled :

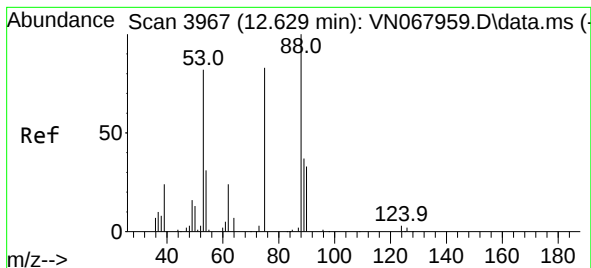
Tgt Ion:152 Resp: 203901
 Ion Ratio Lower Upper
 152 100
 115 61.6 36.1 108.5
 150 158.9 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.709 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068095.D
 Acq: 12 Aug 2021 17:29

Tgt Ion: 75 Resp: 138036
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

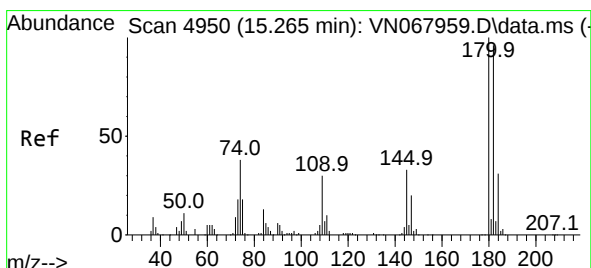
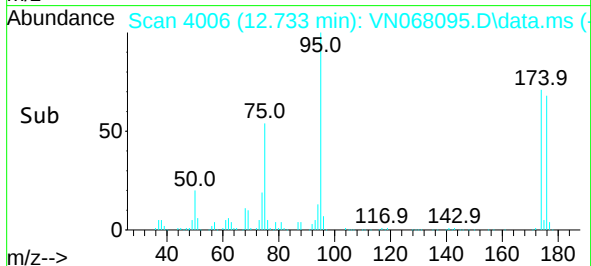
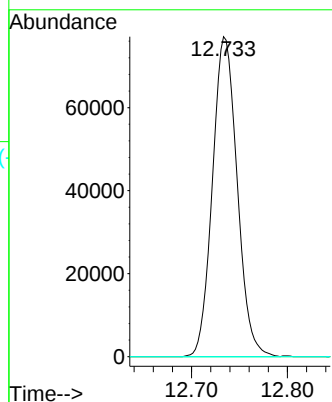
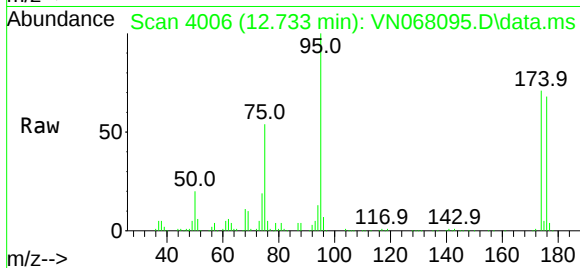




#81
trans-1,4-Dichloro-2-butene
Concen: 90.391 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

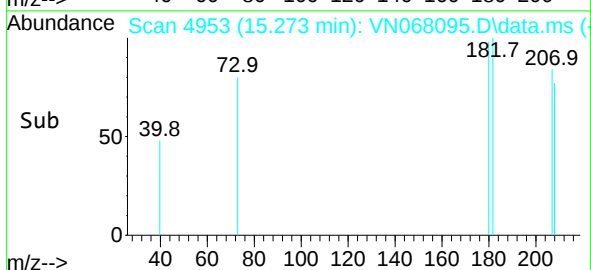
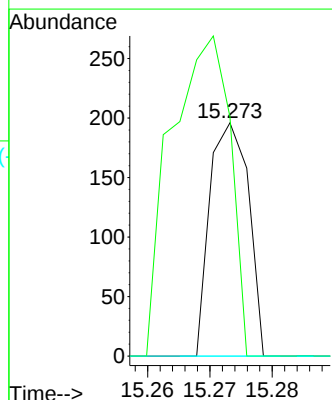
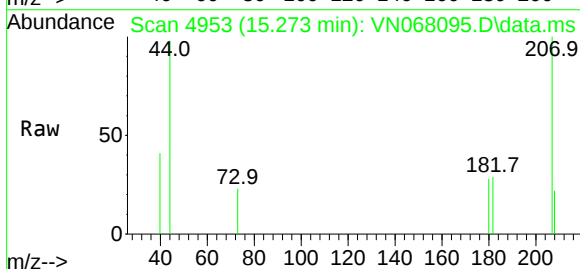
Instrument :
MSVOA_N
ClientSampled :

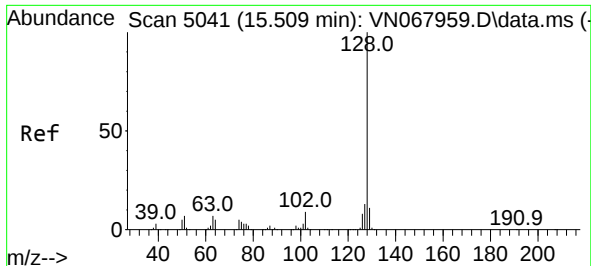
Tgt Ion: 75 Resp: 138036
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.493 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion:180 Resp: 84
Ion Ratio Lower Upper
180 100
182 210.7 47.5 142.5#
145 0.0 17.2 51.6#

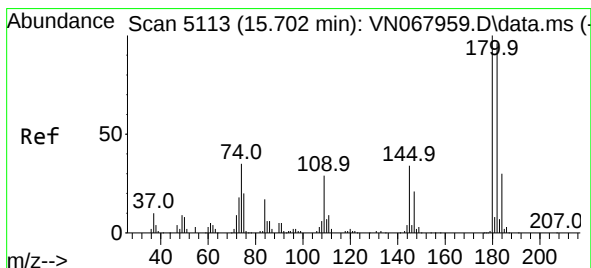
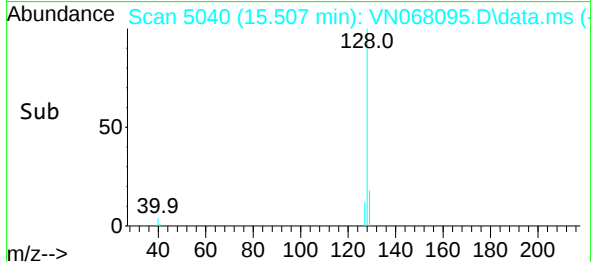
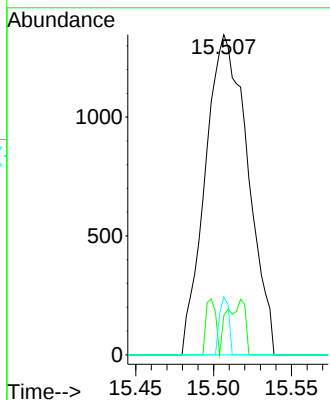
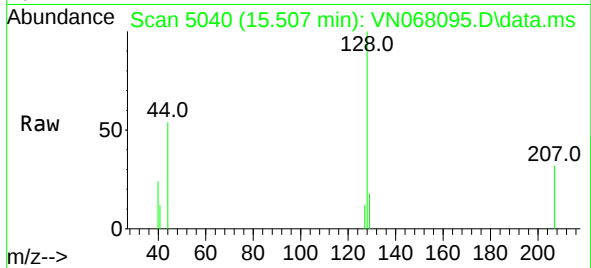




#95
Naphthalene
Concen: 3.402 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2557
Ion Ratio Lower Upper
128 100
127 4.0 10.6 15.8#
129 3.9 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.394 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068095.D
Acq: 12 Aug 2021 17:29

Tgt Ion:180 Resp: 81
Ion Ratio Lower Upper
180 100
182 203.7 47.8 143.3#
145 0.0 18.2 54.6#

